

Serial No. 10/038,784

Docket No. TI-33671

LISTING OF THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

1-33. Canceled

34. (Currently Amended) A method of synchronizing a receive packet buffer window in a receiver with a transmit packet buffer window of a transmitter in a wireless data communication system comprising:

- receiving a first plurality of data packets from the transmitter in the receive packet buffer window, wherein each one of the first plurality of data packets is marked with a sequence number and the receive packet buffer window has a lower limit indicating a minimum sequence number of packet and a upper limit of data packets and an upper limit indicating a maximum sequence number of data packets that can be stored in the receive packet buffer window;
- sending an acknowledgement to the transmitter acknowledging receipt of the first plurality of data packets, wherein the acknowledgement includes an indication of sequence numbers of data packets that were not received by the receiver in the first plurality of data packets; and
- receiving a second plurality of data packets from the transmitter in the receive packet buffer window;
- if the second plurality of data packets does not include packets that were not received by the receiver in the first plurality of data packets, then
- updating the lower and upper limits of the receive packet buffer window corresponding to the minimum and maximum sequence numbers respectively of data packets included in the second plurality of data packets.

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35. (Previously Presented) A method according to claim 34, further comprising:
storing the second plurality of data packets in the receive packet buffer window with
update lower and upper limits.
36. (Currently Amended) A method according to claim 34, wherein the minimum and
maximum sequence numbers of data packets included in the second plurality of data packets
~~corresponds~~ correspond to a lower limit and an upper limit respectively of the transmit packet
buffer window of the transmitter.
37. (Currently Amended) A communication device comprising:
means for receiving a first plurality of data packets from a transmitter in a receive packet
buffer window of a receiver, wherein each one of the first plurality of data packets
is marked with a sequence number and the receive packet buffer window has a
lower limit indicating a minimum sequence number of ~~packet~~ data packets and an
upper limit indicating a maximum sequence number of ~~packet~~ data packets that
can be stored in the receive packet buffer window;
means for sending an acknowledgement to the transmitter acknowledgement to the
transmitter acknowledging receipt of the first plurality of data packets, wherein
the acknowledgement includes an indication of sequence numbers of data packets
that were not received by the receiver in the first plurality of data packets;
means for receiving a second plurality of data packets from the receive packet buffer
window corresponding to the minimum and maximum sequence numbers of data
packets included in the second plurality of data packets if the second plurality of
data packets does not include packets that were not received by the receiver in the
first plurality of data packets.

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38. (Previously Presented) A communication device according to claim 37, further comprising:

means for storing the second plurality of data packets in the receive packets in the receive packet buffer window with update lower and upper limits.

39. (Currently Amended) A method of synchronizing a receive packet buffer window in a receiver with a transmit packet buffer window of a transmitter in a data communication system comprising:

receiving a first plurality of data packets from the transmitter in the receive packet buffer window of the receiver;

sending an acknowledgement to the transmitter from the receiver, the acknowledgement acknowledging receipt of one or more of the first plurality of data packets and indicating that one or more of the first plurality of data packets were not received by the receiver; ~~and~~

receiving a second plurality of data packets from the transmitter in the receive packet buffer window of the receiver; and

updating a lower limit and an upper limit of the receive packet buffer window corresponding to a minimum and a maximum sequence numbers respectively of data packets included in the second plurality of data packets.

40. (Currently Amended) A method according to claim 39, wherein each one of the first plurality of data packets is marked with a sequence number and the lower limit of the receive packet buffer window indicates the minimum sequence number of ~~packet~~ data packets and the upper limit of the receive packet buffer window indicates the maximum sequence number of data packets that can be stored in the receive packet buffer window.

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41. (Currently Amended) A communication device comprising:

- means for receiving a first plurality of data packets from a transmitter in a receive packet buffer window;
- means for sending an acknowledgement to the transmitter, the acknowledgement acknowledging receipt of one or more of the first plurality of data packets and indicating that one or more of the first plurality of data packets were not received by the communication device; and
- means for receiving a second plurality of data packets from the transmitter in the receive packet buffer window; and
- means for updating a lower limit and an upper limit of the receive packet buffer window corresponding to a minimum sequence number and a maximum sequence numbers number respectively of data packets included in the second plurality of data packets.

42. (Currently Amended) A communication device according to claim 41, wherein each one of the first plurality of data packets is marked with a sequence number and the lower limit of the receive packet buffer window indicates the minimum sequence number of packet data packets and the upper limit of the receive packet buffer window indicates the maximum sequence number of data packets that can be stored in the receive packet buffer window.

43. (Currently Amended) A method of synchronizing a receive packet buffer window in a receiver with a transmit packet buffer window of a transmitter in a data communication system comprising:

- receiving a first plurality of data packets from the transmitter in the receive packet buffer window of the receiver;
- sending an acknowledgement to the transmitter acknowledging receipt of one or more of the first plurality of data packets;

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receiving a second plurality of data packets from the transmitter in the receive packet buffer window of the receiver; and
 updating a lower limit and an upper limit of the receive packet buffer window corresponding to a minimum sequence number and a maximum sequence number respectively of data packets included in [[a]] the second plurality of data packets received from the transmitter if the second plurality of data packets does not include packets that were not received in the first plurality of data packets.

44. (Currently Amended) A communication system comprising:
 a transmitter; and
 a receiver, wherein the receiver is configured to receive a first plurality of data packets from the transmitter in a receive packet buffer window;
 send an acknowledgement to the transmitter, the acknowledgment acknowledging receipt of one or more of the first plurality of data packets and indicating that one or more of the first plurality of data packets were not received by the receiver;
 receive a second plurality of data packets from the transmitter in the receive packet buffer window; and
 update a lower limit and an upper ~~limits~~ limit of the receive packet buffer window corresponding to a minimum sequence number and a maximum sequence ~~numbers~~ number respectively of data packets included in the second plurality of data packets.

45. (Previously Presented) A communication system according to claim 44, wherein the size of the receive packet buffer window is negotiated during service establishment between the transmitter and the receiver.

46. (Previously Presented) A communication system according to claim 44, wherein the transmitter and the receiver are components in a wireless packet communication system.

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47. (Previously Presented) A method according to claim 39, wherein the lower limit and the upper limit of the receive packet buffer window is updated if the second plurality of data packets does not include packets that were not received by the receiver in the first plurality of data packets.